



SEQUENCE LISTING

<110> Lee, Jong Y.

<120> PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR PROTEIN FRAGMENT AND
ANTIBODIES DERIVED THEREFROM

<130> 106.001US2

<140> US 09/016,159

<141> 1998-01-30

<150> US 08/876,227

<151> 1997-06-16

<160> 7

<170> PatentIn version 3.2

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<301> Smith, D.B. et al.

<302> Single-step purification of polypeptides expressed in Escher
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coli as fusions with glutathione-S-transferase

<303> Gene

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<301> Smith, D.B. et al.

<302> Single-step purification of polypeptides expressed in Escherichia

coli as fusions with glutathione-S-transferase

<303> Genes and Development

<304> 67

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<213> Homo sapiens

<300>

<301> Jones, S.S. et al.

<302> Human Erythropoietin Receptor: Cloning, expression, and biological characterization

<303> Blood

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gtgtgtttct gggaggaagc ggcgagcgct ggggtgggcc cgggcaacta cagcttctcc

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<210> 5
<211> 508
<212> PRT
<213> Homo sapiens

<300>
<301> Jones, S.S. et al.
<302> Human Erythropoietin Receptor: Cloning, expression, and
biological characterization
<303> Blood
<304> 76
<305> 1
<306> 31-35
<307> 1990-07-01

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			20					25					30		

Pro	Lys	Phe	Glu	Ser	Lys	Ala	Ala	Leu	Leu	Ala	Ala	Arg	Gly	Pro	Glu
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Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
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Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
65 70 75 80

Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
85 90 95

Pro Thr Ala Arg Gly Ala Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
100 105 110

Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
115 120 125

Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
130 135 140

Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly
145 150 155 160

His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
165 170 175

His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser
180 185 190

Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser
195 200 205

Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met
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Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val
225 230 235 240

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260 265 270

Ser His Arg Arg Ala Leu Lys Gln Lys Ile Trp Pro Gly Ile Pro Ser
275 280 285

Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe
290 295 300

Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys
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Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu
325 330 335

Arg Cys Trp Gly Thr Met Gln Ala Val Glu Pro Gly Thr Asp Asp Glu
340 345 350

Gly Pro Leu Leu Glu Pro Val Gly Ser Glu His Ala Gln Asp Thr Tyr
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Leu Val Leu Asp Lys Trp Leu Leu Pro Arg Asn Pro Pro Ser Glu Asp
370 375 380

Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly
385 390 395 400

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Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
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Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr
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Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
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Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu
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<210> 6
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 <212> DNA
 <213> Homo sapiens

<300>
 <301> Winkelman, J.C. et al.
 <302> The gene for the human erythropoietin receptor: analysis of
 the coding sequence and assignment to chromosome 19p
 <303> Blood
 <304> 76
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 <306> 24-30
 <307> 1990-07-01

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<210> 7
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<300>
<301> Winkelmann, J.C. et al.
<302> The Gene for the Human Erythropoietin Receptor: Analysis of
the
coding sequence and assignment to chromosome 19p
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<307> 1990-07-01

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Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
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Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser		
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Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala		
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Pro Thr Ala Arg Gly Arg Val Arg Phe Trp Cys Ser Leu Pro Thr Ala		
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Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser		
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Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu		
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Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly		
145	150	155
His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser		
	165	170
His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Arg Pro Gly Ser		
	180	185
Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser		
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Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met		
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Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val		

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Leu	Ile	Leu	Val	Val	Ile	Leu	Val	Leu	Leu	Thr	Val	Leu	Ala	Leu	Leu
			260					265					270		
Ser	His	Arg	Arg	Ala	Leu	Lys	Gln	Lys	Ile	Trp	Pro	Gly	Ile	Pro	Ser
		275					280					285			
Pro	Glu	Ser	Glu	Phe	Glu	Gly	Leu	Phe	Thr	Thr	His	Lys	Gly	Asn	Phe
	290					295					300				
Gln	Leu	Trp	Leu	Tyr	Gln	Asn	Asp	Gly	Cys	Leu	Trp	Trp	Ser	Pro	Cys
305					310					315					320
Thr	Pro	Phe	Thr	Glu	Asp	Pro	Pro	Ala	Ser	Leu	Glu	Val	Leu	Ser	Glu
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420

425

430

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